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December 18, 2001

**COURTESY COPY** 

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Mayor Dale Andrews East Carbon City 101 West Geneva Drive East Carbon, UT 84520

Mayor Bruce Andrews Sunnyside City 701 Market Street Sunnyside, UT 84539

Re:

Sunnyside Cogeneration Associates - Manshaft Water Project

Gentlemen:

Enclosed please find a letter from Adam Aleksander of Aleksander & Associates, P.A., dated December 13, 2001, providing a preliminary report on the Manshaft Water Project.

As you are aware, Sunnyside Cogeneration Associates ("SCA") has been pursuing the possibility of developing a well site at the Manshaft location in Whitmore Canyon pursuant to an Agreement for Property Access with East Carbon City and Sunnyside City. Mr. Aleksander's preliminary report includes pictures showing the site conditions at the Manshaft location. SCA is still evaluating the information obtained during the month of October and will in contact with the cities in the future regarding possible development.

We thank you for your cooperation and assistance in investigating this opportunity. We look forward to working with you in the future.

Mayor Dale Andrews Mayor Bruce Andrews December 18, 2001 Page 2

Thank you for your cooperation in this regard. If you have any questions, please feel free to contact me.

Sincerely,

CALLISTER NEBEKER & McCullough

Bug W Burns

Brian W. Burnett

BWB:ias Enclosure

cc:

Gerald Kinghorn

Pam Grubaugh-Littig (DOGM)

Kurt Seel (Assistant Attorney General)

Mark Page (Utah Division of Water Rights)

Jim Willey

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## Aleksander & Associates, P.A. Research and Consulting Engineers

## **Privileged and Confidential**

December 13, 2001

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Preliminary Report SS Manshaft Project

**AAPA SSW-IV 010224** 

Dear Mr. Burnett,

In our letter dated September 17, 2001 we outlined our proposed activities at the Manshaft site. During October, the proposed site work was successfully completed. The work phases included Site Access, Excavation, Monitoring, Cap and Slab Penetration, and Exploration. To-date all activities and procedures have been as described in the referenced letter.

We are currently evaluating data from the site and considering options. During the exploration phase, methane concentration readings inside the Manshaft appeared steady at approximately 25% by volume, as measured by both MSHA inspectors and site instrumentation. Our work did not change these base conditions, and the shaft has been re-sealed.

The observed water level in the Manshaft is approximately 950 feet below the surface. The significance of this preliminary finding is under evaluation.

At the time of demobilization, no methane gas concentrations were detectable at the surface. The access gate to the property at Grassy Trail Creek was padlocked, with keys remitted to the SCA Plant, with additional keys for the Cities of Sunnyside and East Carbon.

The general site area is secured by a chain link fence. The DOGM concrete reclamation cap is vented at the north and south edges, and the original Manshaft concrete slab is sealed with a flanged pipe assembly.

The site conditions are documented in Photos 1 through 4, presented below. The Photos illustrate the general site conditions on the first day of contractor site work, October 19, and on the evening of demobilization, October 27, 2001. The existing two inch vent pipe was capped, and the 13 inch pipe into the shaft was capped with a bolted plate. The area around the pipe was sealed with a steel plate, anchored to the concrete cap.



Photo 01 Site Conditions October 19, 2001



Photo 02 Site Conditions October 27, 2001





Photo 04

Thirteen inch sealed pipe.

Please let us know if you have any questions.

ALEKSANDER & ASSOCIATES P.A.

Adam K. Aleksander PhD, PE, CSP

Sr / AKA

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